

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C12Q1/68

Rec'd PCT/PTO 27 SEP 2004

According to International Patent Classification (IPC) or to both national classification and IPC

10/509144

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C12Q B01L B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, PAJ, MEDLINE, EMBASE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	WO 99 10540 A (LOPEZ OSVALDO J ; NELSON R MICHAEL (US)) 4 March 1999 (1999-03-04) the whole document in particular page 3, line 31 -page 6, line 33 page 8, line 9 -page 9, line 19 page 14, line 34 -page 15, line 30; figure 1; example 2  — -/-	14  1-13,15

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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Date of the actual completion of the international search

21 July 2003

Date of mailing of the international search report

06/08/2003

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PRADHAN SRIHARSA ET AL: "Recombinant human DNA (cytosine-5) methyltransferase: I. Expression, purification, and comparison of de novo and maintenance methylation." JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 274, no. 46, 12 November 1999 (1999-11-12), pages 33002-33010, XP002248163 ISSN: 0021-9258 cited in the application	14
A	the whole document	1-13,15
X	US 6 140 110 A (HODKINSON ROGER GRANT ET AL) 31 October 2000 (2000-10-31) abstract column 3, line 35 -column 6, line 57; claim 1; figures 1-3,9	12-14
A	REIN ET AL: "Identifying 5-methylcytosine and related modifications in DNA genomes" NUCLEIC ACIDS RESEARCH, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 26, no. 10, 1998, pages 2255-2264, XP002143106 ISSN: 0305-1048 the whole document	1-15
A	SZYF M: "THE DNA METHYLATION MACHINERY AS A THERAPEUTIC TARGET" CURRENT DRUG TARGETS, BENTHAM SCIENCE PUBLISHER,, US, vol. 1, no. 1, July 2000 (2000-07), pages 101-118, XP001122812 ISSN: 1389-4501 the whole document in particular page 101 -page 103; figures 1,2	1-15
A	WO 92 15674 A (TEPNEL MEDICAL LTD) 17 September 1992 (1992-09-17) the whole document	6-8
A	WO 02 18632 A (PIEPENBROCK CHRISTIAN ;BERLIN KURT (DE); EPIGENOMICS AG (DE); GUET) 7 March 2002 (2002-03-07) abstract	1-15
	-/-	

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>HERMAN J G ET AL: "METHYLATION-SPECIFIC PCR: A NOVEL PCR ASSAY FOR METHYLATION STATUS OF CPG ISLANDS" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 93, 1 September 1996 (1996-09-01), pages 9821-9826, XP002910406 ISSN: 0027-8424 abstract</p>	1-15

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